

Rule 1.126
Sub C17

1. A method for determining color display characteristics of a remote user's display, comprising the steps of:
transferring images to the remote user's display upon initiation of color display characterization; and
processing information related to the user's interactions with the images to determine color display characteristics of the remote user's display.

2. The method of claim 1, wherein the step of transferring images to the remote user's display upon initiation of color display characterization further comprises the step of:
transferring the images to the remote user's display before transferring information processing code to the remote user.

3. The method of claim 1, wherein the step of processing information related to the user's interactions with the images to determine color display characteristics of the remote user's display further comprises the step of:
processing the information at a server to determine color display characteristics of the remote user's display.

4. The method of claim 1, wherein the step of transferring images to a remote user's display further comprises the step of:
transferring the images to the remote user's display from a server.

5. The method of claim 4, wherein the step of processing information related to the user's interactions with the images to determine color display characteristics of the remote user's display further comprises the step of:
processing the information at the server to determine color display characteristics of the remote user's display.

6. The method of claims 2, 3 or 4, wherein:
the remote user is a client computer connected to a network.

7. The method of claim 6, wherein the user's display is a monitor, a projector, a printer, or a plotter.

8. The method of claim 1, wherein the images comprise test images or test patterns.

9. The method of claim 6, wherein the step of transferring images to the remote user's display further comprises the step of:

selecting the images based on parameters including desired level of thoroughness of characterization, known hardware characteristics of the user, known software characteristics of the user, known characteristics of the network connection to the user, or characteristics of the images transferred to the user.

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10. The method of claim ¹⁶9, wherein the step of selecting the images based on parameters further comprises the step of:
selecting test images or test patterns based on the parameters.

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11. The method of claim ¹⁷10, wherein the step of selecting test images or test patterns based on the parameters further comprises the step of:
selecting the order in which the test images or test patterns are transferred to the user's display based on the parameters.

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12. The method of claim ¹⁸11, wherein the step of processing the information at the server to determine color display characteristics of the remote user's display further comprises the step of:

transferring to the server information related to image selection by the user in response to the images transferred by the server to the user's display.

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13. The method of claim ¹⁹12, wherein the step of transferring to the server information related to image selection by the user in response to the images transferred by the server to the user's display further comprises the step of:

transferring information indicative of test images or test patterns selected by the user from among alternative test images or test patterns, respectively, transferred by the server.

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14. The method of claim ²⁰13, wherein the test images or test patterns selected by the user are selected by a person viewing the user's display.

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15. The method of claim ²⁰13, wherein the test images or test patterns selected by the user are selected by a user calibrator.

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16. The method of claim ²²15, wherein the user calibrator further comprises:

executable code running on a client computer connected to the server through a network to receive the images from the server and display the images on the user's display.

²⁴ 27. The method of claim ³⁰ 13, wherein the step of transferring images to the remote user's display further comprises the step of:

selecting the images based on the information indicative of test images or test patterns selected by the user.

²⁵ 28. The method of claim ²⁴ 17, wherein the step of selecting the images based on the information indicative of test images or test patterns selected by the user transferred to the server further comprises the step of:

selecting the order in which the images are transferred to the user's display.

D! could ²⁶ 29. The method of claim ¹² 5, further comprising the step of: initiating color display characterization of the remote user's display in response to a request to the server.

²⁷ 30. The method of claim ²⁶ 19, wherein the step of initiating color display characterization of the remote user's display in response to a request to the server further comprises the step of:

initiating color display characterization of the remote user's display in response to a request from the remote user to the server.

²⁸ 31. The method of claim ²⁶ 19, wherein the request from the remote user to the server further comprises: an indication of the remote user's desired level of thoroughness of characterization.

²⁹ 32. The method of claim ¹² 5, wherein the step of processing the information at the server to determine color display characteristics of the remote user's display further comprises the step of:

creating a user's display characterization file comprising the color display characteristics of the user's display.

³⁰ 33. The method of claim ²⁹ 22, wherein the step of processing the information at the server to determine color display characteristics of the remote user's display further comprises the step of:

providing an algorithm at the server to analyze the information to determine the color display characteristics of the user's display.

³¹ 34. The method of claim ³⁰ 23, wherein the algorithm further comprises:

executable code running on a server computer to execute the algorithm.

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- ³²25. The method of claim ²⁹22, comprising the further step of: providing the characterization file to the user.
- ³³26. The method of claim ²⁹22, comprising the further step of: providing the characterization file to an image provider.
- ³⁴27. The method of claim ²⁹22, wherein: the image provider is the server.
- ³⁵28. The method of claims ³²25 or ³³26, comprising the further step of: adjusting images distributed by the image provider to the user in accordance with the characterization file.
- ³⁶29. The method of claim ³⁵28, wherein the step of adjusting images in accordance with the characterization file further comprises the step of: color correcting the images in accordance with the characterization file.
- ³⁷30. The method of claim ¹²5, wherein the step of transferring images to the remote user's display from a server further comprises the step of: providing a characterization program on the server to transfer images to the user's display.
- ³⁸31. The method of claim ³⁷30, wherein the characterization program further comprises: executable code running on a server computer connected to a network to transfer images to the user's display.
- ³⁹32. The method of claim ³⁷30, wherein the step of providing a characterization program further comprises the step of: providing a characterization program to select the images based on parameters including desired level of thoroughness of characterization, known hardware characteristics of the user, known software characteristics of the user, known characteristics of the connection to the user, or characteristics of the images provided to the user.
- ⁴⁰33. The method of claim ³⁹32, wherein the step of providing a characterization program further comprises the step of:

providing a characterization program to select the order in which the images are provided to the user for display on the user's display based on the parameters.

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34. The method of claim 30, wherein the step of providing a characterization program further comprises the step of:
providing a characterization program to receive information from the user related to image selection by the user in response to the images transferred to the user's display.

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35. The method of claim 34, wherein the step of providing a characterization program further comprises the step of:
providing a characterization program to transfer images to the user's display based on the selection information received from the user.

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36. The method of claim 30, wherein the step of providing a characterization program further comprises the step of:
providing a characterization program to create a user's display characterization file comprising the color display characteristics of the user's display.

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37. The method of claim 36, wherein the step of providing a characterization program to create a user's display characterization file further comprises the step of:
providing a characterization program including an algorithm to analyze the selection information received from the user to determine the color display characteristics of the user's display.

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38. A system for determining color display characteristics of a remote user's display, comprising:
an agent to transfer images to the remote user's display upon initiation of color display characterization; and
an analyzer to process information related to the user's interactions with the images to determine color display characteristics of the remote user's display.

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39. The system of claim 38, wherein the agent further comprises:
an agent to transfer the images to the remote user's display before transferring information processing code to the remote user.

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40. The system of claim 38, further comprising:
a server to host the agent.

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- ⁴⁸41. The system of claim ⁴⁵38, further comprising:
a server to host the analyzer.
- ⁴⁹42. The system of claim ⁴⁵38, further comprising:
a server to host the agent and to host the analyzer.
- ⁵⁰43. The system of claims ⁴⁷40, ⁴⁸41 or ⁴⁹42, wherein the remote user
further comprises:
a client computer connected to the server through a
network.
- ⁵¹44. The system of claim ⁵⁰43, wherein the user's display further
comprises:
a monitor, a projector, a printer, or a plotter.
- ⁵²45. The system of claim ⁴⁵38, wherein the images comprise test
images or test patterns.
- ⁵³46. The system of claim ⁵⁰43, wherein the agent further
comprises:
an agent to select the images based on parameters including
desired level of thoroughness of characterization, known
hardware characteristics of the user, known software
characteristics of the user, known characteristics of the
network connection to the user, or characteristics of the images
transferred to the user.
- ⁵⁴47. The system of claim ⁵³46, wherein the agent further
comprises:
an agent to select test images or test patterns based on
the parameters.
- ⁵⁵48. The system of claim ⁵⁴47, wherein the agent further
comprises:
an agent to select the order in which the test images or
test patterns are transferred to the user's display based on the
parameters.
- ⁵⁶49. The system of claim ⁵⁰43, wherein the analyzer further
comprises:
an analyzer to receive information related to image
selection by the user in response to the images transferred to
the user's display.
- ⁵⁷50. The system of claim ⁵⁶49, wherein the analyzer further
comprises:

an analyzer to receive information indicative of test images or test patterns selected by the user from among alternative test images or test patterns, respectively, transferred to the user by the agent.

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51. The system of claim ⁵⁷50, wherein the test images or test patterns selected by the user are selected by a person viewing the user's display.

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52. The system of claim ⁵⁷50, wherein the user further comprises: a calibrator to select from among the alternative test images or test patterns.

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53. The system of claim ⁵⁹52, wherein the calibrator further comprises: executable code running on the client computer.

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54. The system of claim ⁵⁷50, wherein the agent further comprises: an agent to select the images based on the information indicative of test images or test patterns selected by the user.

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55. The system of claim ⁶¹54, wherein the agent further comprises: an agent to select the order in which the images are transferred to the user's display.

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56. The system of claim ⁵⁰43, wherein the agent further comprises: an agent to initiate color display characterization of the remote user's display in response to a request to the server.

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57. The system of claim ⁶³56, wherein the agent further comprises: an agent to initiate color display characterization of the remote user's display in response to a request from the remote user to the server.

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58. The system of claim ⁶³56, wherein the agent further comprises: an agent to receive an indication of the remote user's desired level of thoroughness of characterization.

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59. The system of claim ⁵⁰43, wherein the analyzer further comprises:

an analyzer to create a user's display characterization file comprising the color display characteristics of the user's display.

⁶⁷60. The system of claim ⁶⁸59, wherein the analyzer further comprises:

an algorithm to analyze the information to determine the color display characteristics of the user's display.

⁶⁸61. The system of claim ⁶⁷60, wherein the algorithm further comprises:

executable code running on a server computer to execute the algorithm.

⁶⁹62. The system of claim ⁵⁰43, wherein the agent further comprises:

a characterization program on the server to transfer images to the user's display.

⁷⁰63. The system of claim ⁶⁹62, wherein the characterization program further comprises:

executable code running on a server computer connected to a network to transfer images to the user's display.

⁷¹64. The system of claim ⁶⁹62, wherein the agent further comprises:

a characterization program to select the images based on parameters including desired level of thoroughness of characterization, known hardware characteristics of the user, known software characteristics of the user, known characteristics of the connection to the user, or characteristics of the images provided to the user.

⁷²65. The system of claim ⁷¹64, wherein the characterization program further comprises:

a characterization program to select the order in which the images are provided to the user for display on the user's display based on the parameters.

⁷³66. The system of claim ⁶⁹62, wherein the characterization program further comprises:

a characterization program to receive information from the user related to image selection by the user in response to the images transferred to the user's display.

⁷⁴67. The system of claim ⁷³66, wherein the characterization program further comprises: